

012337115 \*\*Image available\*\*

WPI Acc No: 1999-143222/199912

Electronic security system using predefined set of radio frequency identification tags - has unique tag data logged in computerised database and interrogator compares records to tag data and outputs appropriate database response, tag being deactivated when legitimate access to tagged article is obtained

Patent Assignee: CHECKPOINT SYSTEMS INC (CHEC-N)

Inventor: BOWERS H; CLARE T J; BOWERS J H

Number of Countries: 084 Number of Patents: 016

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9905658	A1	19990204	WO 98US14445	A	19980715	199912 B
AU 9884826	A	19990216	AU 9884826	A	19980715	199926
US 6025780	A	20000215	US 97900266	A	19970725	200016
EP 1010152	A1	20000821	EP 98935623	A	19980715	200033
			WO 98US14445	A	19980715	
CN 1265215	A	20000830	CN 98807581	A	19980715	200069
TW 396326	A	20000701	TW 98112156	A	19980724	200104
JP 2001511574	W	20010814	WO 98US14445	A	19980715	200154
			JP 2000504661	A	19980715	
KR 2001022226	A	20010315	KR 2000700799	A	20000124	200159
MX 2000000927	A1	20010601	MX 2000927	A	20000126	200235
EP 1010152	B1	20040414	EP 98935623	A	19980715	200428
			WO 98US14445	A	19980715	
			EP 2004465	A	19980715	
DE 69823209	E	20040519	DE 98623209	A	19980715	200434
			EP 98935623	A	19980715	
			WO 98US14445	A	19980715	
EP 1429301	A1	20040616	EP 98935623	A	19980715	200439
			EP 2004465	A	19980715	
CN 1504968	A	20040616	CN 98807581	A	19980715	200465
			CN 2003118141	A	19980715	
MX 217650	B	20031118	WO 98US14445	A	19980715	200468
			MX 2000927	A	20000126	
ES 2221182	T3	20041216	EP 98935623	A	19980715	200506
DE 69823209	T2	20050519	DE 98623209	A	19980715	200535
			EP 98935623	A	19980715	
			WO 98US14445	A	19980715	

Priority Applications (No Type Date): US 97900266 A 19970725

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9905658 A1 E 76 G08B-013/14

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

Abstract (Basic): WO 9905658 A

NOVELTY - System has unique tag data logged in computerised database (200) as record. When a tag is detected in zone by interrogator (22), compares (37) records to tag data and outputs

appropriate database response. When legitimate access to tagged article is obtained, tag can be deactivated electronically, physically or virtually. **ELECTRONICS** - Each tag has a resonant circuit for use in detecting the presence of the article by receiving an interrogation signal and returning a response signal. Has integrated circuit connected to resonant circuit with antenna as part of resonant circuit.

**USE** - For preventing and detecting theft or unauthorized removal of articles or goods from retail establishments and or other facilities, such as libraries.

**ADVANTAGE** - Provides a method of using deactivatable and reactivatable RFID tags which are tracked by a database so that the status of the tagged article may be tracked throughout its life cycle.

**DESCRIPTION OF DRAWING(S)** - The drawing shows a schematic block diagram of the elements performing steps in interrogation procedure. (200) database; (22) interrogator; (37) comparator.

Dwg.11/17